



SEQUENCE LISTING

<110> Zhou, Qun-Yong
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related
Compositions and Methods

<130> P-UC 5016

<140> US 10/016,481

<141> 2001-11-01

<150> 60/245,882

<151> 2000-11-03

<160> 22

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (55) ... (369)

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Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser
5 10 15

gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg 153
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly
20 25 30

gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg 201
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met
35 40 45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac 249
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His
50 55 60 65

aag gtc ccc ttc ttc agg aaa cgc aag cac cac acc tgt cct tgc ttg 297
Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu

70 75 80
ccc aac ctg ctg tgc tcc agg ttc ccg gac ggc agg tac cgc tgc tcc 345
Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser
85 90 95

atg gac ttg aag aac atc aat ttt taggcgcttg cctggtctca ggataccac 399
Met Asp Leu Lys Asn Ile Asn Phe
100 105

catccttttc tgagcacagc ctggattttt atttctgcc tgaaccacag ctcccatgac 459
tctcccagtc cctacactga ctaccctgat ctctcttgtc tagtacgcac atatgcacac 519
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<210> 2
<211> 105
<212> PRT
<213> Homo sapiens

<400> 2
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Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys
20 25 30
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
35 40 45
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
50 55 60
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
65 70 75 80
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
85 90 95
Ser Met Asp Leu Lys Asn Ile Asn Phe
100 105

<210> 3
<211> 86
<212> PRT

<213> Homo sapiens

<400> 3

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Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg	Met	Cys	Thr
			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40						45			
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50				55						60				
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
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<210> 4

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (10) ... (333)

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ctg ccg ccg ctg ctg ctc acg ccc cgc gct ggg gac gcc gcc gtg atc 99
Leu Pro Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile
15 20 25 30

acc ggg gct tgt gac aag gac tcc caa tgt ggt gga ggc atg tgc tgt 147
Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys
35 40 45

gct gtc agt atc tgg gtc aag agc ata agg att tgc aca cct atg ggc 195
Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly
50 55 60

aaa ctg gga gac agc tgc cat cca ctg act cgt aaa gtt cca ttt ttt 243
Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe
65 70 75

ggg cgg agg atg cat cac act tgc cca tgt ctg cca ggc ttg gcc tgt 291
Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys
80 85 90

tta cgg act tca ttt aac cga ttt att tgt tta gcc caa aag 333
Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys

95

100

105

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<210> 5

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<212> PRT

<213> Homo sapiens

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20 25 30
Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
35 40 45
Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
50 55 60
Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
65 70 75 80
Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
85 90 95
Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
100 105

<210> 6

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6

Ala Val Ile Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly
1 5 10 15
Met Cys Cys Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr
20 25 30

Pro Met Gly Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val
35 40 45
Pro Phe Phe Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly
50 55 60
Leu Ala Cys Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln
65 70 75 80
Lys

<210> 7
<211> 21
<212> PRT
<213> Homo sapiens

<400> 7
Asn Asn Phe Gly Asn Gly Arg Gln Glu Arg Arg Lys Arg Lys Arg Ser
1 5 10 15
Lys Arg Lys Lys Glu
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<210> 8
<211> 21
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<213> Homo sapiens

<400> 8
Ser His Val Ala Asn Gly Arg Gln Glu Arg Arg Arg Ala Lys Arg Arg
1 5 10 15
Lys Arg Lys Lys Glu
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<210> 9
<211> 19
<212> PRT
<213> Homo sapiens

<400> 9
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
1 5 10 15
Ser Asp Cys

<210> 10
<211> 26
<212> PRT
<213> Homo sapiens

<400> 10
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	Pro	Pro	Ala
		Gly	Asp
		Ala	
20		25	

<210> 11
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 <212> PRT
 <213> Bombina variegata

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			20					25					30			
	Gly	Ser	Gly	Thr	Cys	Cys	Ala	Ala	Ser	Ala	Trp	Ser	Arg	Asn	Ile	Arg
			35				40						45			
	Phe	Cys	Ile	Pro	Leu	Gly	Asn	Ser	Gly	Glu	Asp	Cys	His	Pro	Ala	Ser
			50			55					60					
	His	Lys	Val	Pro	Tyr	Asp	Gly	Lys	Arg	Leu	Ser	Ser	Leu	Cys	Pro	Cys
	65				70				75					80		
	Lys	Ser	Gly	Leu	Thr	Cys	Ser	Lys	Ser	Gly	Glu	Lys	Phe	Lys	Cys	Ser
				85					90					95		

<210> 12
 <211> 81
 <212> PRT
 <213> Dendroaspis polylepis polylepis

<400> 12	Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Leu	Gln	Cys	Gly	Lys	Gly
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	Thr	Cys	Cys	Ala	Val	Ser	Leu	Trp	Ile	Lys	Ser	Val	Arg	Val	Cys	Thr
			20					25					30			
	Pro	Val	Gly	Thr	Ser	Gly	Glu	Asp	Cys	His	Pro	Ala	Ser	His	Lys	Ile
			35			40						45				
	Pro	Phe	Ser	Gly	Gln	Arg	Lys	Met	His	His	Thr	Cys	Pro	Cys	Ala	Pro
		50			55						60					
	Asn	Leu	Ala	Cys	Val	Gln	Thr	Ser	Pro	Lys	Lys	Phe	Lys	Cys	Leu	Ser
	65				70				75					80		
	Lys															

<210> 13
 <211> 81
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic construct

<400> 13

Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val	Gln	Cys	Gly	Ala	Gly
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Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg	Met	Cys	Thr
			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40						45			
Pro	Phe	Phe	Gly	Arg	Arg	Met	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Gly
	50					55					60				
Leu	Ala	Cys	Leu	Arg	Thr	Ser	Phe	Asn	Arg	Phe	Ile	Cys	Leu	Ala	Gln
65					70					75					80
Lys															

<210> 14

<211> 86

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 14

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Met	Cys	Cys	Ala	Val	Ser	Ile	Trp	Val	Lys	Ser	Ile	Arg	Ile	Cys	Thr
			20					25					30		
Pro	Met	Gly	Lys	Leu	Gly	Asp	Ser	Cys	His	Pro	Leu	Thr	Arg	Lys	Val
		35				40						45			
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50					55					60				
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
65					70					75					80
Leu	Lys	Asn	Ile	Asn	Phe										
				85											

<210> 15

<211> 89

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 15

Gly	Ile	Leu	Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val	Gln	Cys
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Gly	Ala	Gly	Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg
			20					25					30		
Met	Cys	Thr	Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser
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<220>
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<400> 16
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                               20                               25                               30
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro
                               35                               40                               45
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu
                               50                               55                               60
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu
65                               70                               75                               80
Lys Asn Ile Asn Phe
                               85

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<210> 17
<211> 86
<212> PRT
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<220>
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<400> 17
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      20              25              30
Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val
      35              40              45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
      50              55              60
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp
65              70              75              80
Leu Lys Asn Ile Asn Phe
      85

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<210> 18
<211> 87
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 18
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Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys
20 25 30
Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys
35 40 45
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro
50 55 60
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met
65 70 75 80
Asp Leu Lys Asn Ile Asn Phe
85

<210> 19
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
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<400> 19
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1 5 10

<210> 20
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<212> PRT
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<220>
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<400> 20
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<210> 21
<211> 6
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<213> Artificial Sequence

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<400> 21

Ala Val Ile Thr Gly Ala

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5

<210> 22

<211> 5

<212> PRT

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<223> synthetic peptide

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Val Ile Thr Gly Ala

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5

Q1